

SWP Water Quality Summary

June 10 to 17, 2009

Electrical Conductivity: Concentrations increased at Banks Pumping Plant (BPP), Check 41, Devil Canyon and Vallecitos, but decreased at Check 29 and Barker Slough, from June 10 to 17, 2009. Concentrations ranged from 247 $\mu\text{S}/\text{cm}$ to 561 $\mu\text{S}/\text{cm}$ (148 mg/L to 337 mg/L), below the Article 19 Monthly Average Objective of 440 mg/L (733 $\mu\text{S}/\text{cm}$). As of June 17, 2009, daily average concentrations varied at all the locations, with the lowest and highest concentrations of 247 $\mu\text{S}/\text{cm}$ and 532 $\mu\text{S}/\text{cm}$ occurring at Barker Slough and Check 41, respectively. At BPP, EC concentrations increased slightly from 390 $\mu\text{S}/\text{cm}$ to 396 $\mu\text{S}/\text{cm}$ as of June 17, 2009.

Bromide: Concentrations exceeded the California Bay Delta Authority (CBDA) Objective of 0.05 mg/L at all locations. Bromide concentrations followed similar trends as EC at all locations and ranged from 0.07 mg/L to 0.29 mg/L. As of June 17, Barker Slough had the lowest concentration of 0.07 mg/L, followed by BPP and Vallecitos with 0.16 mg/L, while the highest concentration of 0.26 mg/L occurred at Check 41. Concentrations at BPP increased from 0.15 mg/L to 0.16 mg/L, as of June 17, 2009.

Turbidity: Turbidity levels decreased at all locations from June 10 to 17, 2009. Turbidity levels ranged from 0.98 NTU to 65.8 NTU this week. On June 17 2009, the lowest level of 0.98 NTU occurred at Check 29 while the highest level of 62.4 NTU occurred at Barker Slough. Levels at BPP decreased from 14.9 NTU to 10.1 NTU, as of June 17, 2009.

Dissolved Organic Carbon (DOC): Concentrations varied at all locations from June 10 to 17, 2009. DOC concentrations ranged from 3.7 mg/L to 3.9 mg/L at Check 13 and from 3.3 mg/L to 2.9 mg/L at Edmonston, but concentrations remained unchanged at 3.7 mg/L at BPP.

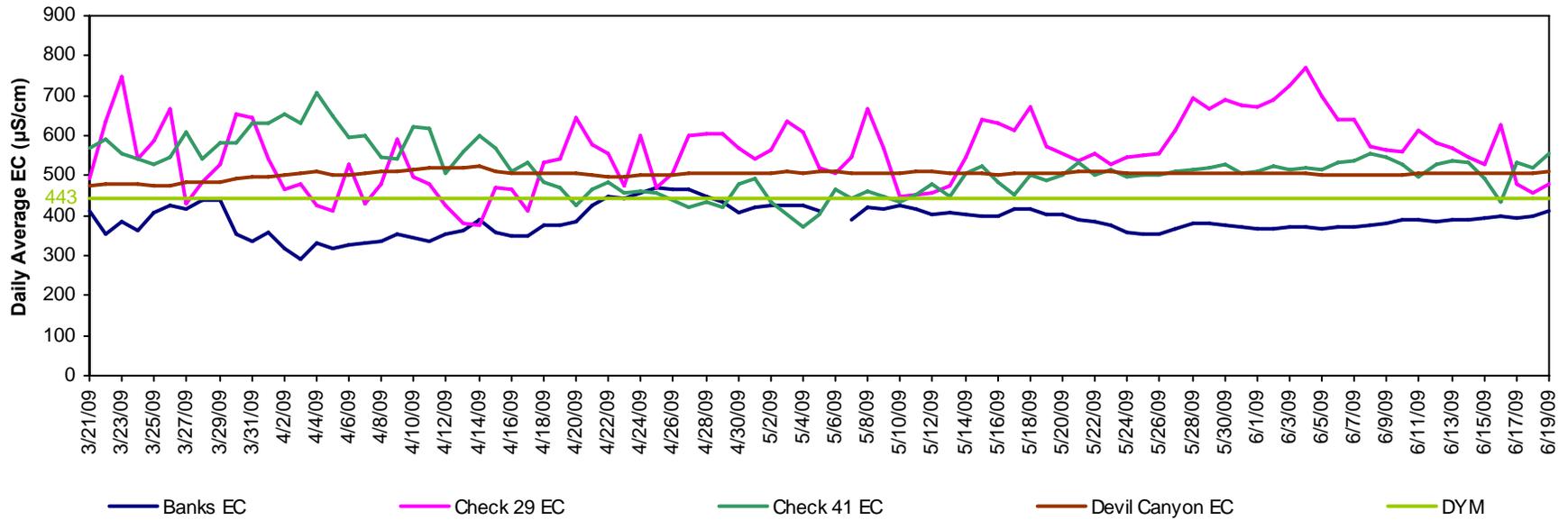
Taste and Odor Compounds: MIB and geosmin levels project-wide, ranged from non-detect to 4 ng/L at Clifton Court Outlet, BPP, Del Valle Check 7, O'Neill Forebay, Lake Del Valle Outlet, San Luis Reservoir, Check 41 and Silverwood Lake, as of June 10 to 17, 2009.

Ground water pump-ins to the California Aqueduct from Arvin Edison Water Storage District, Kern Water Bank Canal, Cross Valley Canal and Semitropic Storage District totaled 10,640 AF during June 10 to 17, 2009.

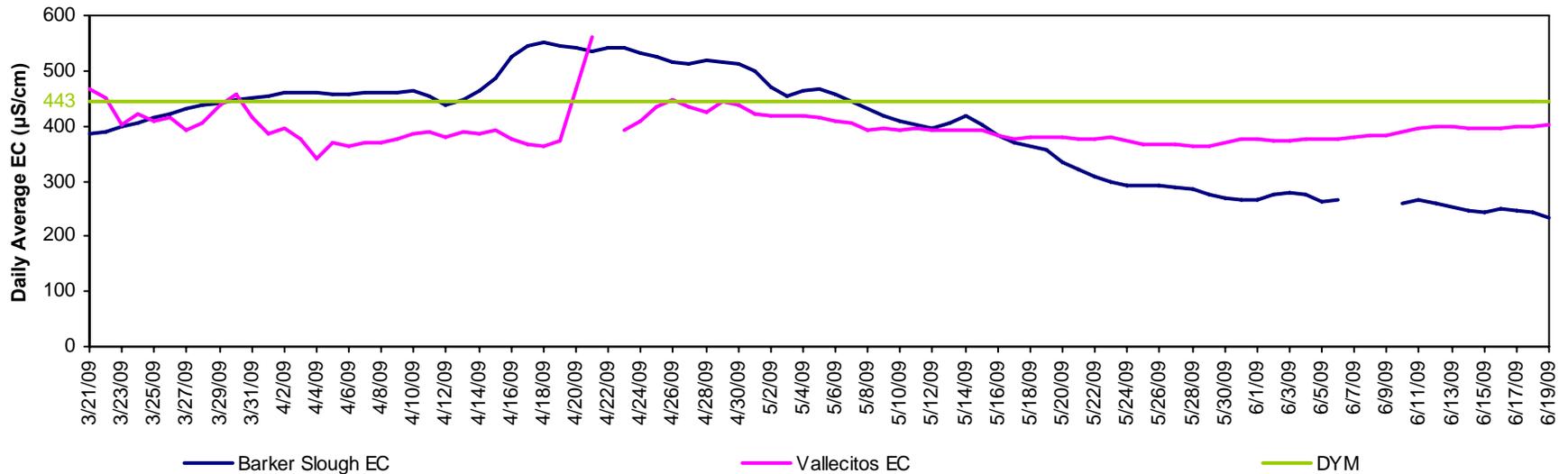
The intent of the weekly water quality (WQ) summary is to acquaint contractors, scientists and interested parties with the status of water quality in the State Water Project (SWP). Your comments, questions and suggestions are welcome and can be directed to Cindy Garcia @ 916-653-7213, or Austine Eke @ 916-653-7227. To view WQ data from any of the 15 automated stations along the SWP, visit:

<http://www.womwq.water.ca.gov> and click the "Autostation Data" link on the left side navigation bar.

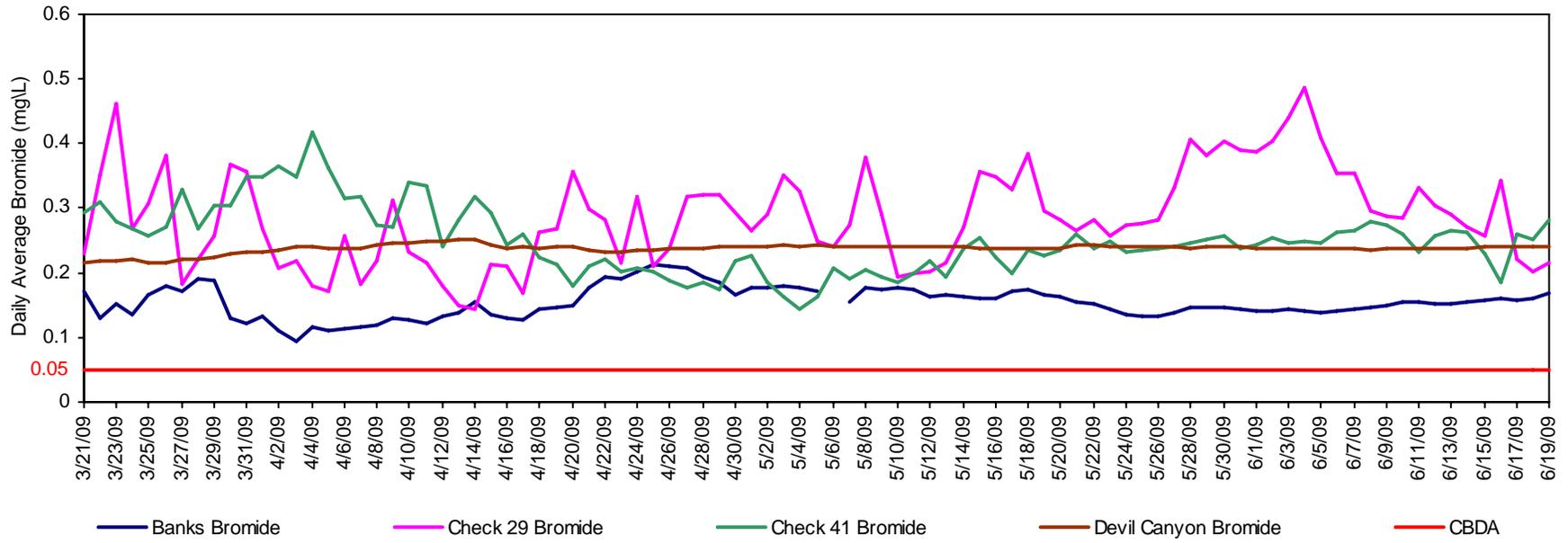
California Aqueduct - Electrical Conductivity



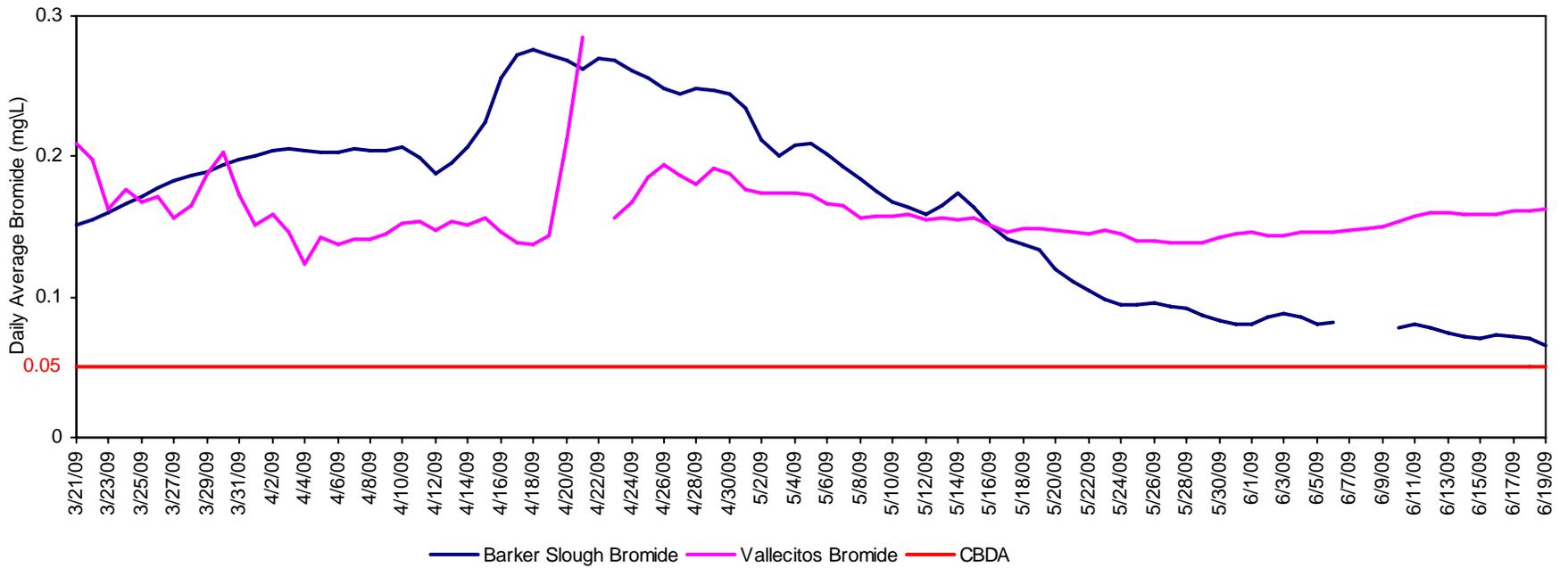
North and South Bay Aqueduct - Electrical Conductivity



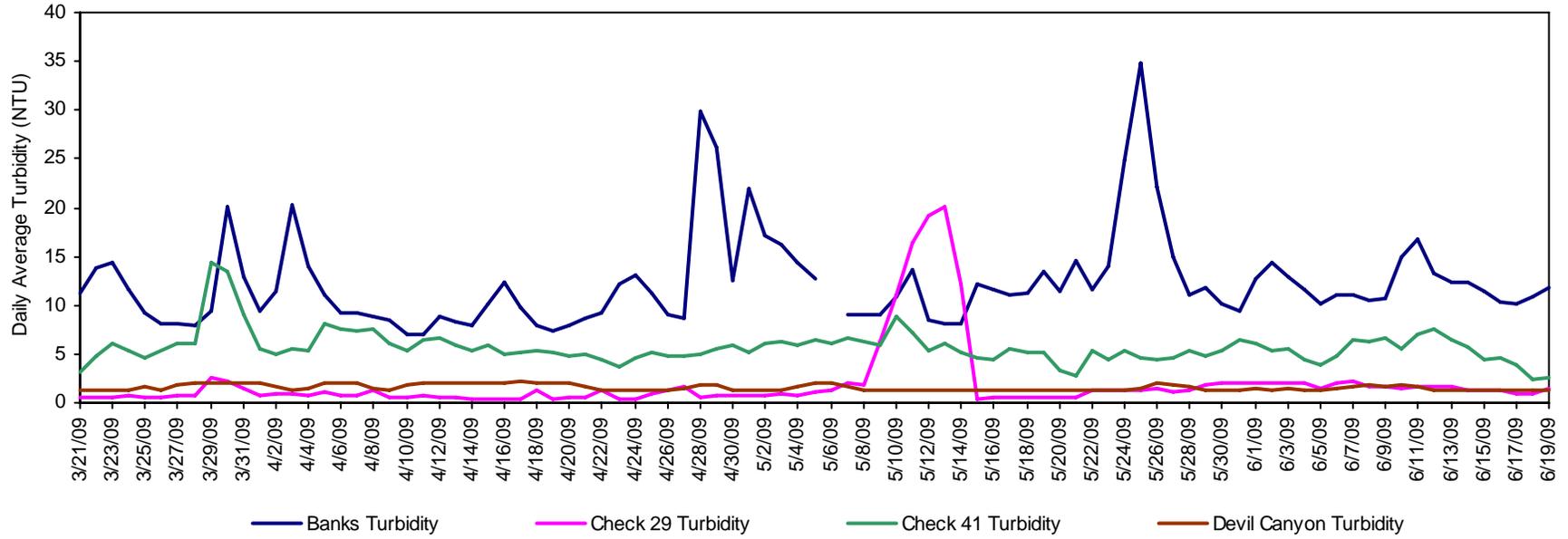
California Aqueduct - Calculated Bromide



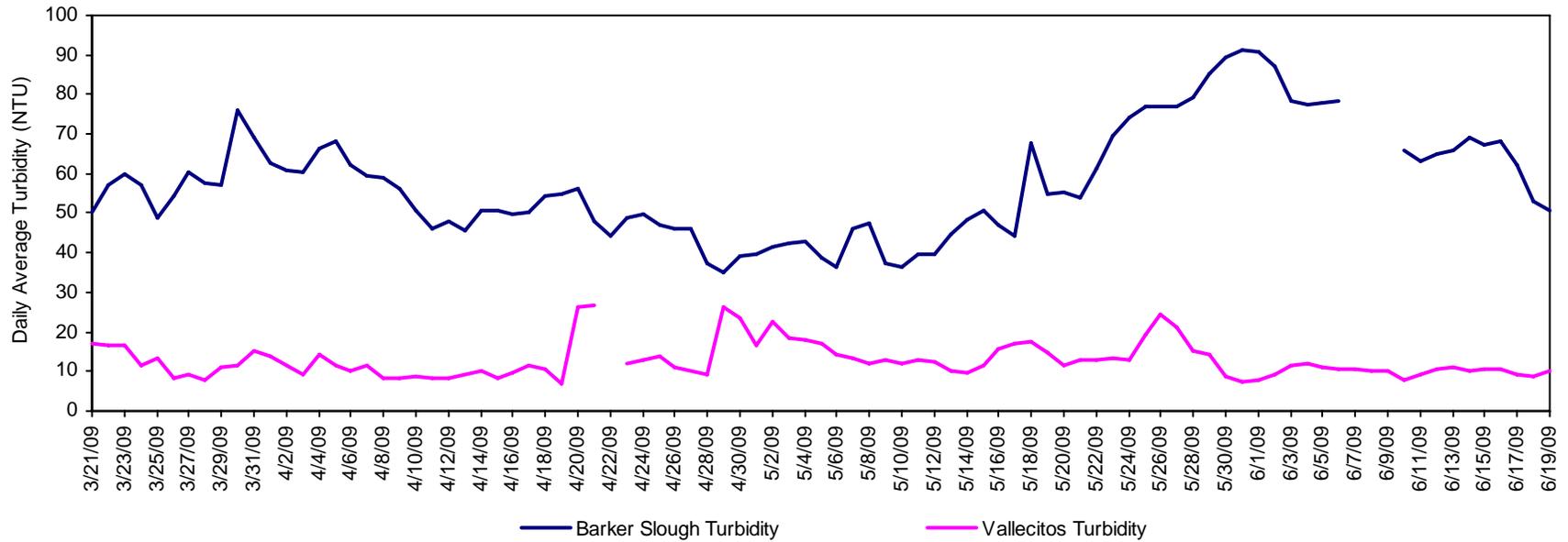
North and South Bay Aqueduct - Calculated Bromide



California Aqueduct - Turbidity



North and South Bay Aqueduct - Turbidity



California Aqueduct Calculated Dissolved Organic Carbon

